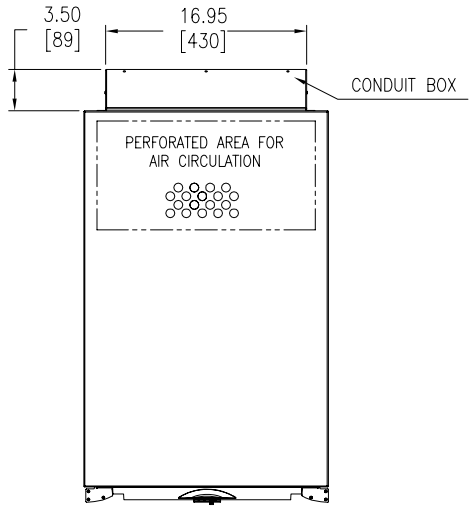


TOP VIEW

NOTES:

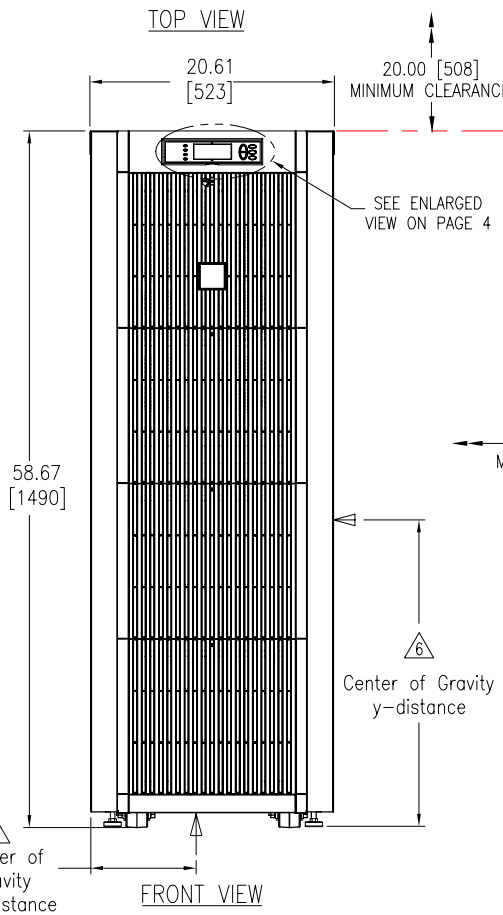
1. PLEASE REFER TO INSTALLATION MANUAL FOR DETAILS.
2. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS].
3. CABLE ENTRY IS REAR OF UNIT (VIA CONDUIT BOX).
4. FRONT AND REAR SERVICE CLEARANCE, TOP COOLING CLEARANCE REQUIRED.
5. WEIGHT OF UNIT IS 1181 LBS [537 kg].
6. △ CENTER OF GRAVIY OF THE UNIT

CG Direction	x-distance	y-distance	z-distance
INCHES [mm]	10.16 [258]	23.90 [607]	15.51 [394]

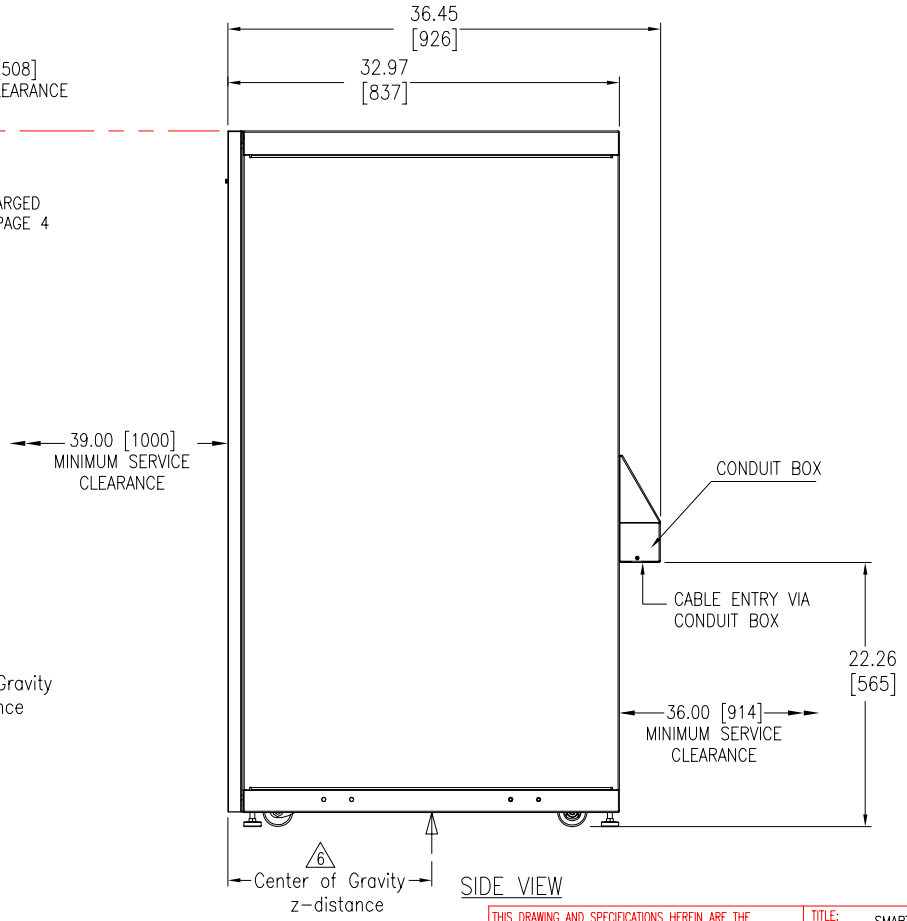
7. △ OPTION REPRESENTED BY THIS DRAWING.
8. RUNTIME CAN BE EXTENDED WITH ADDITIONAL BATTERY MODULES AND BATTERY CABINETS (SEE CHART).
9. INSTALLATION MUST COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL CODES.

RUN-TIME CHART AT 0.8 PF

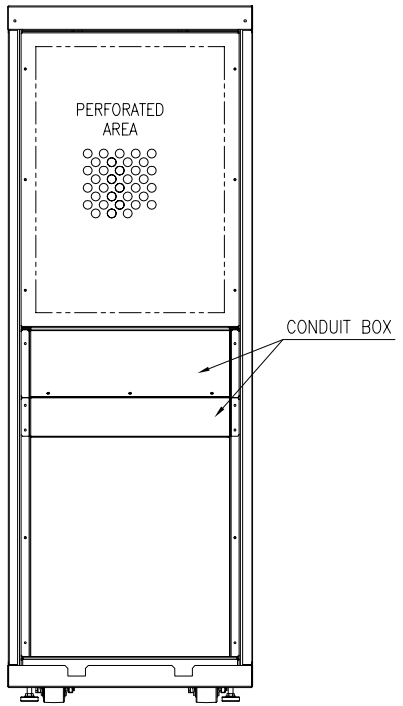
△7 Battery position	Number of Battery Modules	Run-Time in Minutes
SUVT20KF3B4S	3	12
SUVT20KF3B4S+(1)SYBT4	4	18
SUVT20KF3B4S+(1)SYBT4+(1)SUVTBXR2B6S	6	32
SUVT20KF3B4S+(1)SYBT4+(1)SUVTBXR2B6S+(1)SYBT4	7	39
SUVT20KF3B4S+(1)SYBT4+(1)SUVTBXR2B6S+(2)SYBT4	8	46
SUVT20KF3B4S+(1)SYBT4+(1)SUVTBXR2B6S+(3)SYBT4	9	54
SUVT20KF3B4S+(1)SYBT4+(1)SUVTBXR6B6S	10	62
SUVT20KF3B4S+(1)SYBT4+(2)SUVTBXR6B6S	16	111
SUVT20KF3B4S+(1)SYBT4+(3)SUVTBXR6B6S	22	165
SUVT20KF3B4S+(1)SYBT4+(4)SUVTBXR6B6S	28	221



FRONT VIEW



SIDE VIEW



REAR VIEW

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TITLE: SMART-UPS VT 20kVA 208/120V, 3PH W/3 BATT. MODULE EXP. TO 4 MAIN MECHANICAL	DWG NO: SUVT20KF3B4S-MM1	REV. 2		
	DRAWN BY: B ZAHN		07/24/06	
	CHECKED BY: J.RING / F.DIOSA		07/24/06	
PROJECT: SUBMITTAL DRAWINGS SHEET 1 OF 5	ENGINEER: R.HANSEN / E.SILVA		07/24/06	

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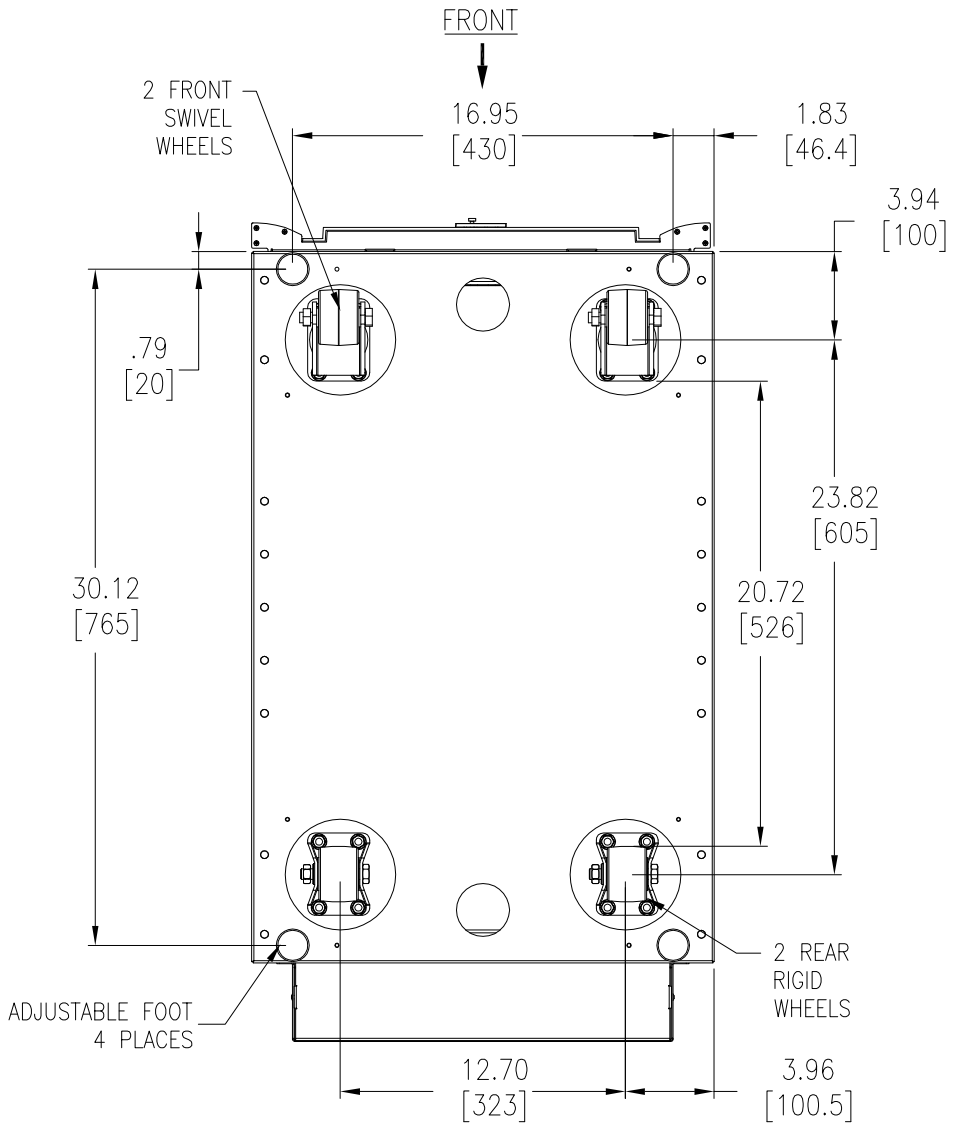
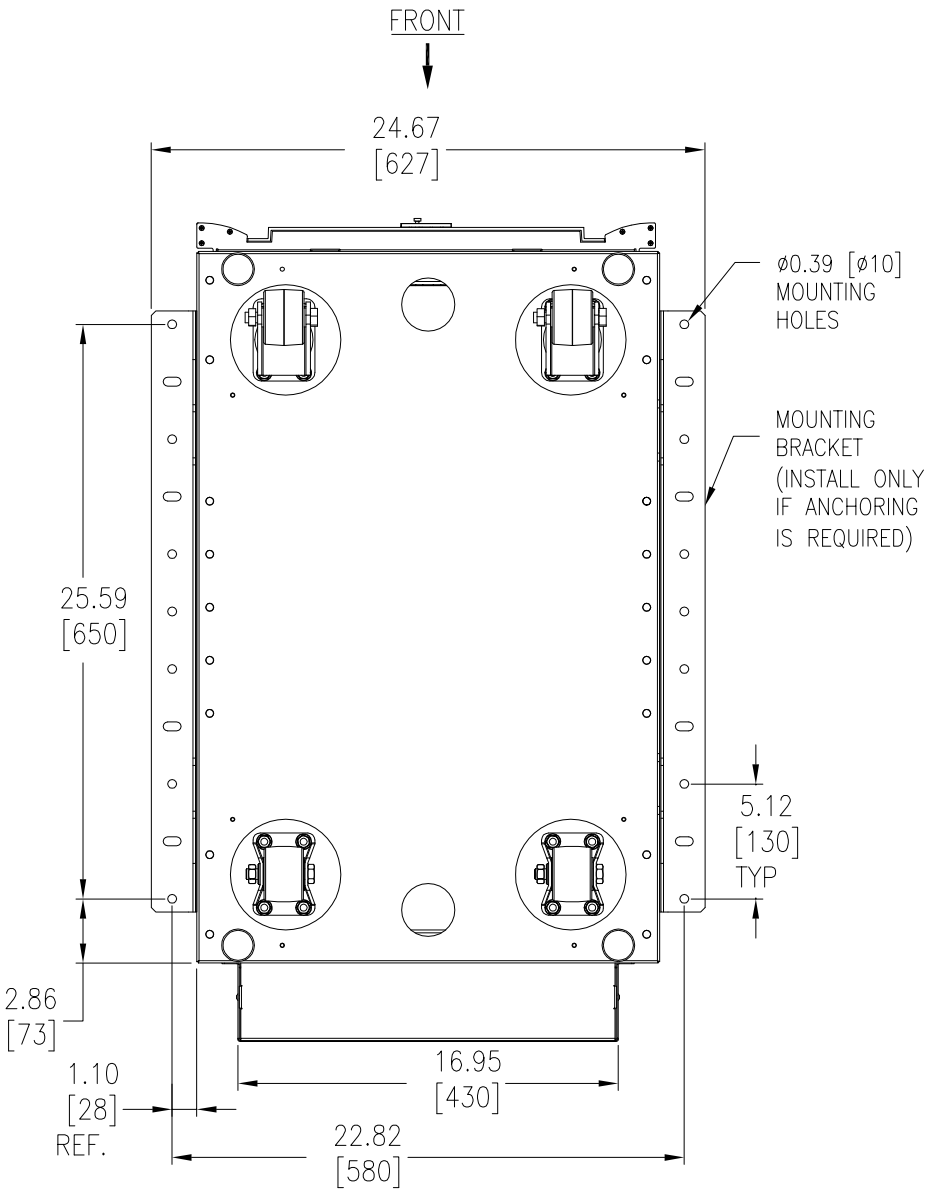


BOTTOM VIEW



BOTTOM VIEW
WITH ANCHORING DETAIL (OPTIONAL)

NOTES:

1. PLEASE REFER TO APC PRODUCT MANUAL.
2. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS].
3. INSTALLATION MUST COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL CODES.

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TITLE:	SMART-UPS VT 20kVA 208/120V, 3PH W/3 BATT. MODULE EXP. TO 4 BOTTOM VIEW	DWG NO:	SUVT20KF3B4S-MM2
		REV.	–
		DRAWN BY:	B ZAHN 11/03/04
		CHECKED BY:	J.RING / F.DIOSA 12/23/04
PROJECT:	SUBMITTAL DRAWINGS	ENGINEER:	R.HANSEN / E.SILVA 12/23/04
SHEET	2 OF 5		

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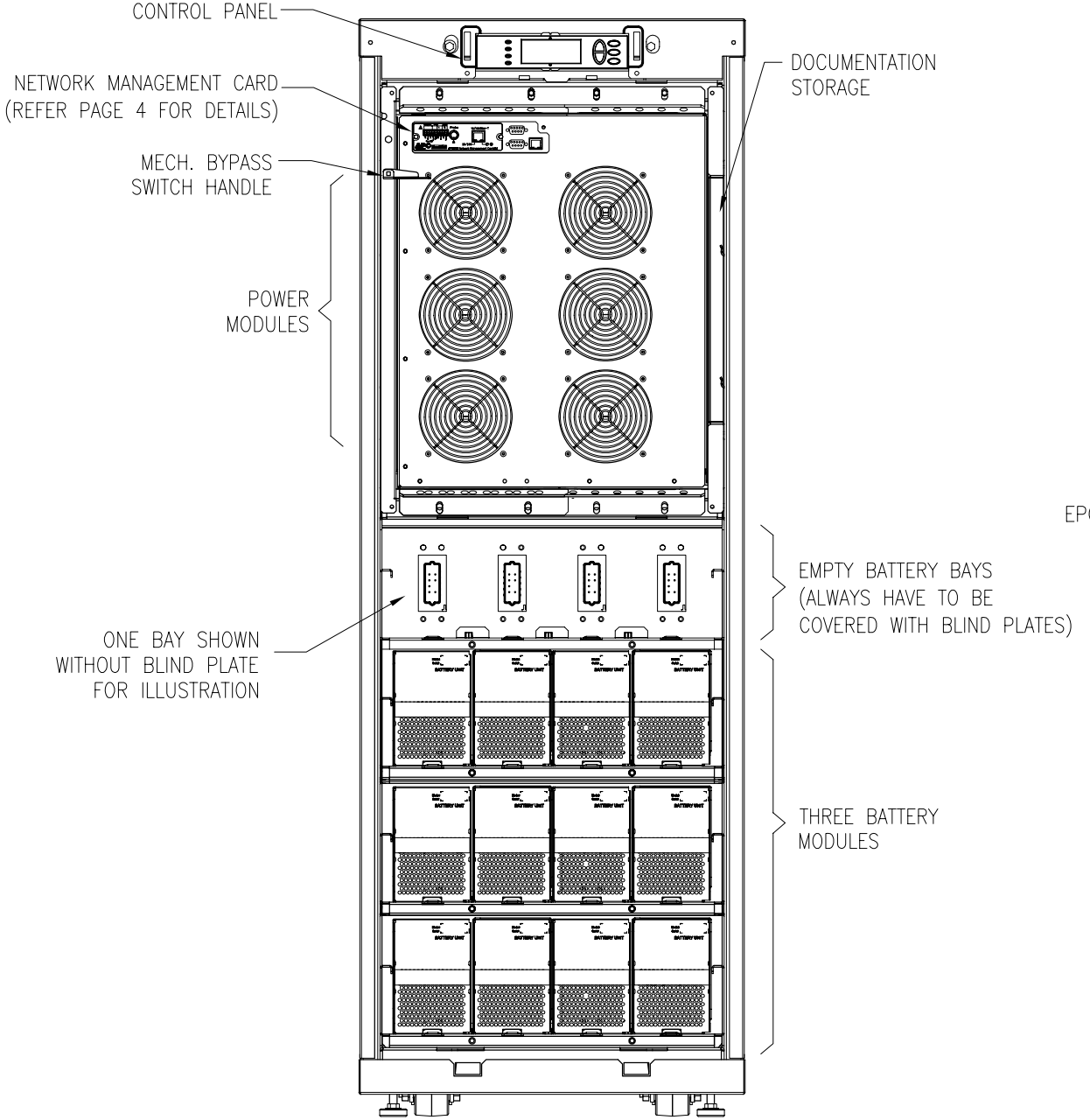
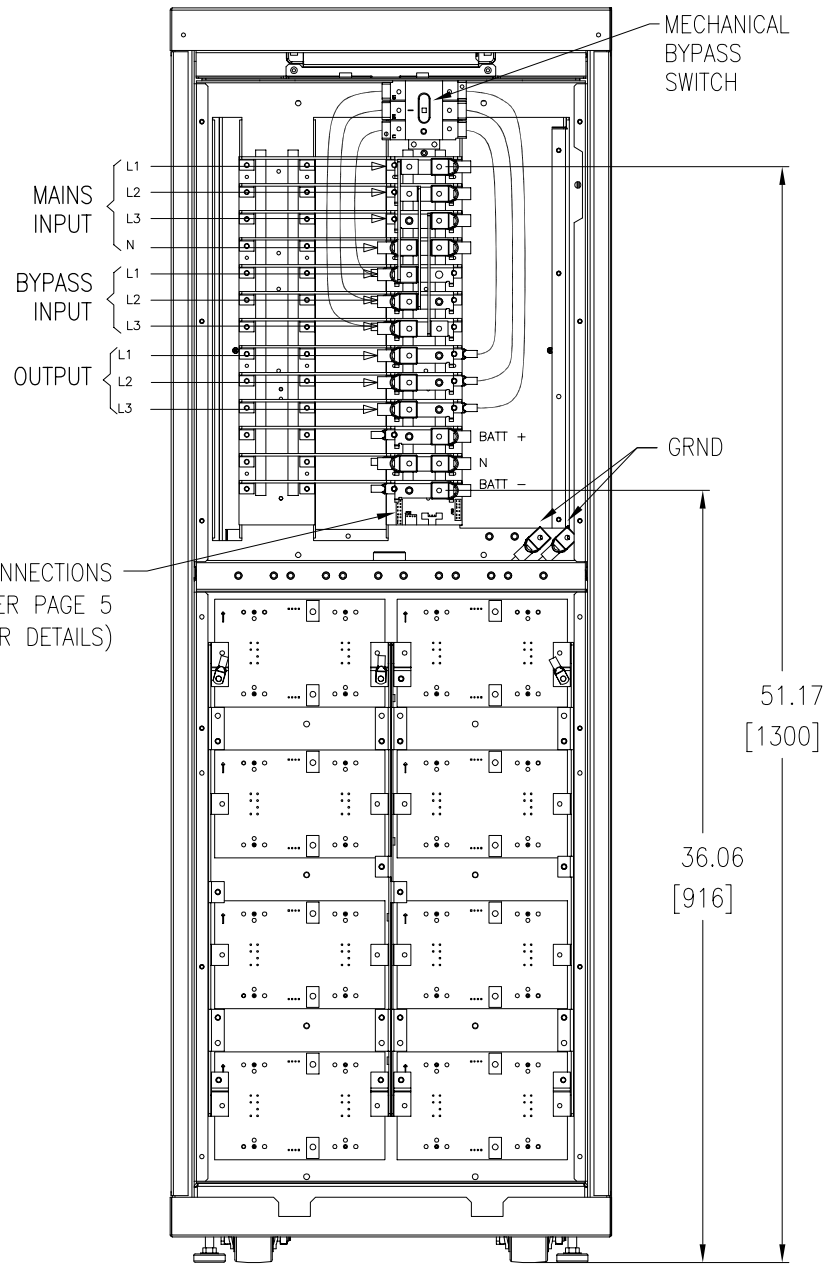


FRONT VIEW
PANEL REMOVED



REAR VIEW
PANEL REMOVED

NOTES:

1. PLEASE REFER TO APC PRODUCT MANUAL.
2. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS].
3. SUVT UPS IS DESIGNED FOR SINGLE AND DUAL MAINS.
   SINGLE MAINS INSTALLATION IS A DEFAULT.
4. INSTALLATION MUST COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL CODES.

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TITLE: SMART-UPS VT 20kVA 208/120V, 3PH W/3 BATT. MODULE EXP. TO 4 ELECTROMECHANICAL		DWG NO: SUVT20KF3B4S-ME1		REV. 3
		DRAWN BY: B ZAHN		07/24/06
		CHECKED BY: J.RING / F.DIOSA		07/24/06
PROJECT: SUBMITTAL DRAWINGS	SHEET 3 OF 5	ENGINEER: R.HANSEN / E.SILVA		07/24/06

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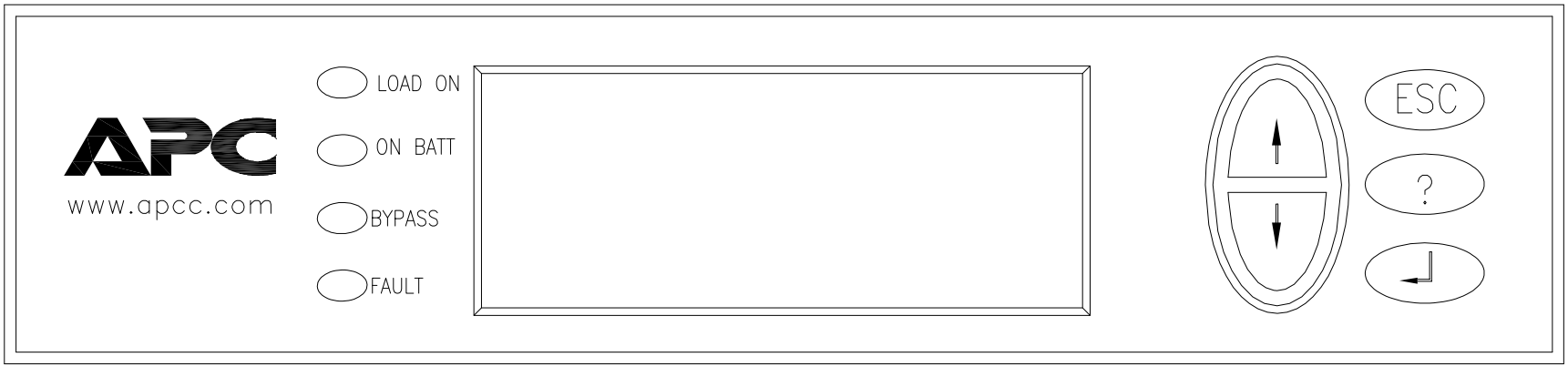
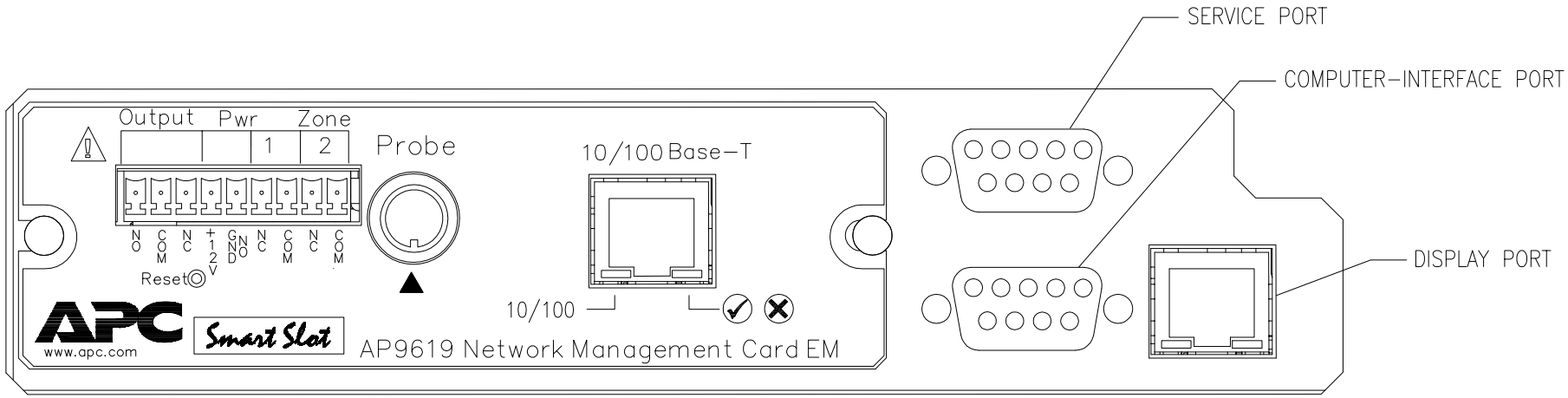


CONTROL PANEL



NETWORK MANAGEMENT CARD

NOTES:
1. PLEASE REFER TO APC PRODUCT MANUAL.
2. INSTALLATION MUST COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL CODES.

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TITLE:	SMART-UPS VT 20kVA 208/120V, 3PH W/3 BATT. MODULE EXP. TO 4 CONTROL PANEL AND NMC	DWG NO:	SUVT20KF3B4S-ME2
		REV.	–
		DRAWN BY:	B ZAHN 03/11/05
		CHECKED BY:	J.RING / F.DIOSA 03/11/05
PROJECT:	SUBMITTAL DRAWINGS	ENGINEER:	R.HANSEN / E.SILVA 03/11/05
SHEET	4 OF 5		

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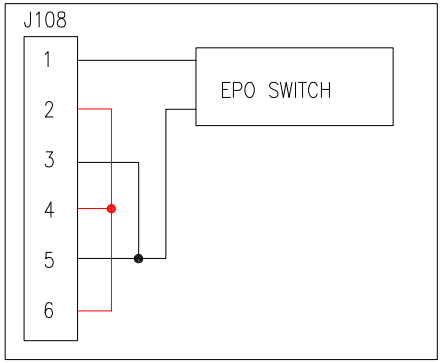
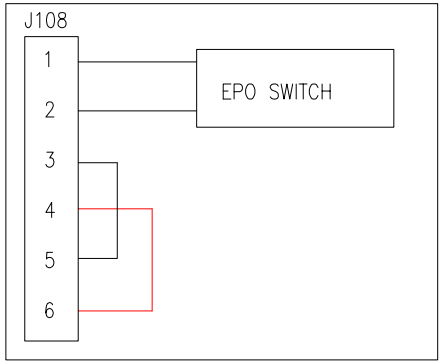
EPO WIRING OPTIONS (J108)

CONNECT THE EPO CABLE, USING ONE OF THE FOLLOWING 4 WIRING CONFIGURATIONS.

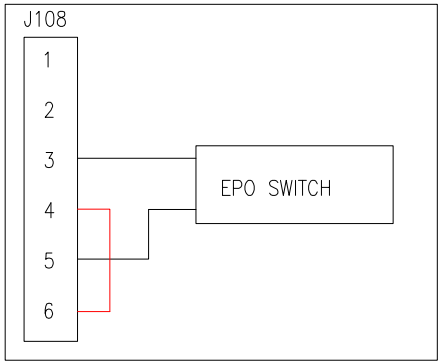
1: DRY NORMALLY OPEN CONTACTS



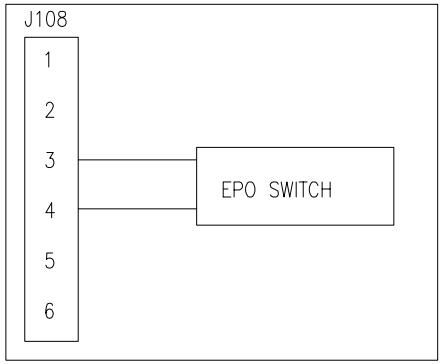
2: +24V NORMALLY OPEN



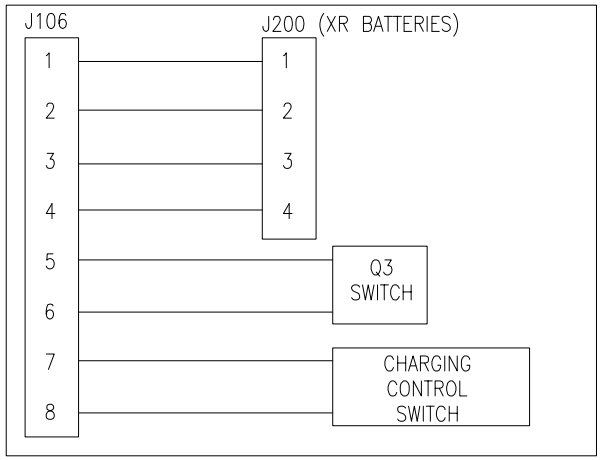
3: DRY NORMALLY CLOSED CONTACTS



4: +24V NORMALLY CLOSED



XR ENCLOSURE, APC MBP, AND GENERATOR CONTROL WIRING (J106)



NOTES:

1. PLEASE REFER TO APC PRODUCT MANUAL.
2. FOR COMMUNICATION CABLES USE ONLY 28–16AWG COPPER WIRE RATED MINIMUM 250V.
3. INSTALLATION MUST COMPLY WITH ALL APPLICABLE NATIONAL AND LOCAL CODES.

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TITLE:	SMART-UPS VT 20kVA 208/120V, 3PH W/3 BATT. MODULE EXP. TO 4 EPO CIRCUIT	DWG NO:	SUVT20KF3B4S-ME3	REV. 1
		DRAWN BY:	B ZAHN	03/11/05
		CHECKED BY:	J.RING / F.DIOSA	03/11/05
PROJECT:	SUBMITTAL DRAWINGS SHEET 5 OF 5	ENGINEER:	R.HANSEN / E.SILVA	03/11/05

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